



Product Data Submittal

Fulton Model: FB-W

Electric Hot Water Boilers

Dimensions

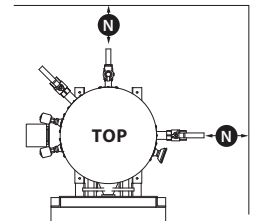
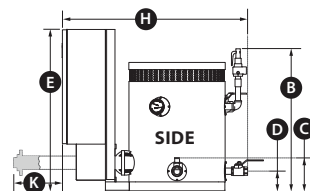
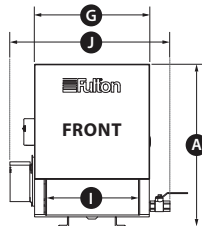
Model FB-W		012	015	018	024	030	036	070	105	140	175	210	280	350	420	490	560	630	700	1000
Unit Size	HP	1.2	1.5	1.8	2.4	3	3.6	7	10.5	14	17.5	21	28	35	42	49	56	63	70	100
	kW	12	15	18	24	30	36	70	105	140	175	210	280	350	420	490	560	630	700	1000
Height																				
(A) Boiler Overall	IN	34	34	34	34	34	34	55	55	55	55	55	55	55	55	75	75	75	75	75
	MM	864	864	864	864	864	864	1397	1397	1397	1397	1397	1397	1397	1397	1905	1905	1905	1905	1905
(B) Hot Water Outlet	IN	17.25	17.25	17.25	17.25	17.25	17.25	45	45	45	45	45	45	45	45.25	44.75	44.75	44.75	44.75	59.5
	MM	438	438	438	438	438	438	1143	1143	1143	1143	1143	1143	1143	1149	1137	1137	1137	1137	1511
(C) Return Water Inlet	IN	4.25	4.25	4.25	4.25	4.25	4.25	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	MM	108	108	108	108	108	108	241	241	241	241	241	241	241	241	241	241	241	241	241
(D) Drain Outlet	IN	4.25	4.25	4.25	4.25	4.25	4.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	7
	MM	108	108	108	108	108	108	159	159	159	159	159	159	159	159	159	159	159	159	178
(E) Electric Control Box	IN	34	34	34	34	34	34	47	47	47	47	47	48	48	52	75	75	75	75	75
	MM	864	864	864	864	864	864	1194	1194	1194	1194	1194	1219	1219	1321	1905	1905	1905	1905	1905
(F) Hand Hole	IN							9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	MM							241	241	241	241	241	241	241	241	241	241	241	241	241
Width & Depth																				
(G) Boiler Diameter	IN	20	20	20	20	20	20	17	24	24	28	28	36	40	40	44	44	50	50	63
	MM	508	508	508	508	508	508	432	610	610	711	711	914	1016	1016	1118	1118	1270	1270	1600
(H) Overall Depth Electric Panel to Drain	IN	34	34	34	34	34	34	31	38	39	43	43	54	59	59	60	67	67	70	85.5
	MM	864	864	864	864	864	864	787	965	991	1092	1092	1372	1499	1499	1524	1702	1702	1778	2172
(I) Electric Panel Width	IN	24	24	24	24	24	24	30	30	30	30	48	48	48	60	60	60	72	72	72
	MM	610	610	610	610	610	610	762	762	762	762	1219	1219	1219	1524	1524	1524	1829	1829	1829
(J) Boiler Width Overall	IN	30	30	30	30	30	30	35	32	32	37	40	41	53	53	53	58	64	64	75
	MM	762	762	762	762	762	762	889	813	813	940	1016	1041	1346	1346	1346	1473	1626	1626	1905
Minimum Clearances																				
(K) Horizontal to remove elements	IN	15	15	15	15	15	15													
	MM	381	381	381	381	381	381													
(L) Floor to ceiling to remove elements	IN							95	95	95	95	95	95	95	95	95	95	95	95	116
	MM							2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2946
(M) Front of boiler (min. to open door)	IN	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
	MM	914	914	914	914	914	914	914	914	914	914	914	914	914	914	914	914	914	914	914
(N) Sides and rear of boiler	IN	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
	MM	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610	610

Specifications and dimensions are approximate. Fulton reserves the right to change specifications and/or dimensions.

NOTE: Panel box size may change based on voltage.

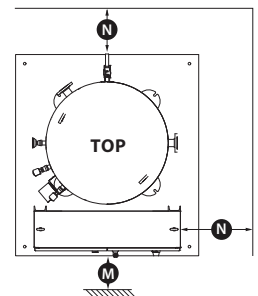
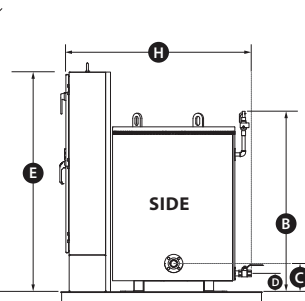
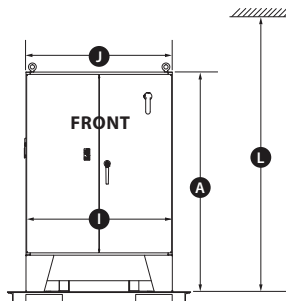
Models FB-W 012 - 036

12 kW to 36 kW (1.2 - 3.6 BHP)



Models FB-W 070 - 1000

70 kW to 1000 kW (7 - 100 BHP)



Specifications

Model FB-W		012	015	018	024	030	036	070	105	140	175	210	280	350	420	490	560	630	700	1000
Number of Elements		1	1	1	2	2	2	2	3	4	5	6	4	5	6	7	8	9	10	14
Output	1000 BTU/HR	40	50	61	81	101	121	236	355	473	591	710	946	1183	1419	1656	1892	2129	2365	3378
	1000 KCAL/HR	10	13	15	20	25	30	59	89	119	149	179	238	298	357	417	477	536	596	851
Approx. Ship Weight	LB	420	420	420	450	450	450	580	950	1088	1225	1225	1380	1615	1850	2039	2150	2320	2660	6100
	KG	191	191	191	204	204	204	263	431	494	556	556	626	733	839	925	975	1052	1207	2767
Water Capacity	GAL	13	13	13	13	13	13	21	51	51	68	68	132	133	133	169	169	234	234	492
	LITER	49	49	49	49	49	49	79	193	193	257	257	500	503	503	640	640	886	886	1862
Heater Connection Sizes																				
Hot Water Outlet	IN	1.25	1.25	1.25	1.25	1.25	1.25	1.5	1.5	2	2	2	2	2	2.5	3	3	3	3	4
	MM	32	32	32	32	32	32	38	38	51	51	51	51	51	64	76	76	76	76	76
Hot Water Inlet	IN	1.25	1.25	1.25	1.25	1.25	1.25	1.5	1.5	2	2	2	2	2	2.5	3	3	3	3	4
	MM	32	32	32	32	32	32	38	38	51	51	51	51	51	64	76	76	76	76	102
Drain Outlet	IN	1	1	1	1	1	1	1	1	1	1.25	1.25	1.25	1.25	1.5	1.5	1.5	1.5	1.5	1.5
	MM	25	25	25	25	25	25	25	25	25	32	32	32	32	38	38	38	38	38	38
Safety Valve Inlet (160 PSIG)	IN	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
	MM	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Safety Valve Outlet (160 PSIG)	IN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	MM	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Electrical Power Requirements (Amps)																				
208V 3 Phase		34	42	50	67	84	100	195	292	389	486	583	778	*	*	*	*	*	*	*
230V 3 Phase		31	38	46	61	76	91	176	264	352	440	528	703	879	1055	1231	*	*	*	*
460V 3 Phase		16	19	23	31	38	46	88	132	176	220	264	352	440	528	616	703	791	879	1256
575V 3 Phase		13	16	19	25	31	37	71	106	141	176	211	282	352	422	493	563	633	703	1005

* Consult Factory

Specifications are approximate. Fulton reserves the right to change specifications and/or dimensions. Electric elements have a 0% tolerance for operation over design voltage. Voltage applied higher than the above voltage ratings will result in higher amp draws and an increase in watt density. Additionally, other components supplied may only be suitable for the design voltage. Electric elements may tolerate a voltage lower than design voltage; however, the kW will be derated accordingly.

Standard Product Description:

- ASME/CSD-1/UL Approval with 120V controls
- Stainless steel elements
- Nema 1 Panel box with controls
- Control circuit step-down transformer
- Magnetic element contactors
- Element sequence controller on 10.5 - 100 HP
- Power door interlock
- On/Off activation switch
- Painted carbon steel jacket
- Operating limit temperature control with auto reset
- High limit temperature control with manual reset
- PID Type operating temperature control on 10.5 - 100 HP
- Instruction manual

Valve Trim Package:

- ASME safety relief valve



The heat transfer innovators.

The Fulton Companies

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